

DEEP TEST HOLE RESULTS

TEST HOLES WERE PERFORMED ON MAY 20, 2020 AND WITNESSED BY ALBERT G. GOSSELIN, JR., R.S. OF THE UNCAS HEALTH DISTRICT.

TP#1  
0'- 7" TOPSOIL  
7"- 24" BROWN MEDIUM SANDY LOAM  
24"- 100" GRAY FINE SANDS W/ COBBLES  
NO WATER, NO LEDGE, NO MOTTLING

TP#2  
0'- 8" TOPSOIL  
8"- 38" TAN MEDIUM SANDY LOAM  
38"- 82" GRAY FINE SILTY SANDS  
WATER @ 75", NO LEDGE, MOTTLING @ 36"  
ROOTS TO 36"

TP#3  
0'- 10" TOPSOIL  
10"- 27" TAN MEDIUM SANDY LOAM  
27"- 80" GRAY FINE SILTY SANDS  
WATER @ 55", NO LEDGE, MOTTLING @ 36"  
ROOTS TO 36"

TP#4  
0'- 8" TOPSOIL  
8"- 33" BROWN MEDIUM SANDY LOAM  
33"- 95" GRAY MEDIUM SILTY SANDS  
NO WATER, NO LEDGE, NO MOTTLING, LARGE STONES

PERCOLATION TEST RESULTS

PERCOLATION TEST WAS PERFORMED ON MAY 22, 2020 BY BOUNDARIES, LLC.

PT#1  
DEPTH = 30"  
PRESOAK @ 11:55  
TIME READING  
12:55 14-1/2"  
1:00 17-1/2"  
1:05 19"  
1:10 20"  
1:15 21"  
1:20 22"  
1:25 22-3/4"  
1:30 23-1/2"  
1:35 24"  
1:40 24-3/4"  
1:45 25-1/4"  
1:50 26"  
1:55 26-1/2"

PERCOLATION RATE AT 30" DEPTH = 10.0 MINUTES/INCH

SANITARY DESIGN CRITERIA

PROPOSED 2-BEDROOM HOUSE

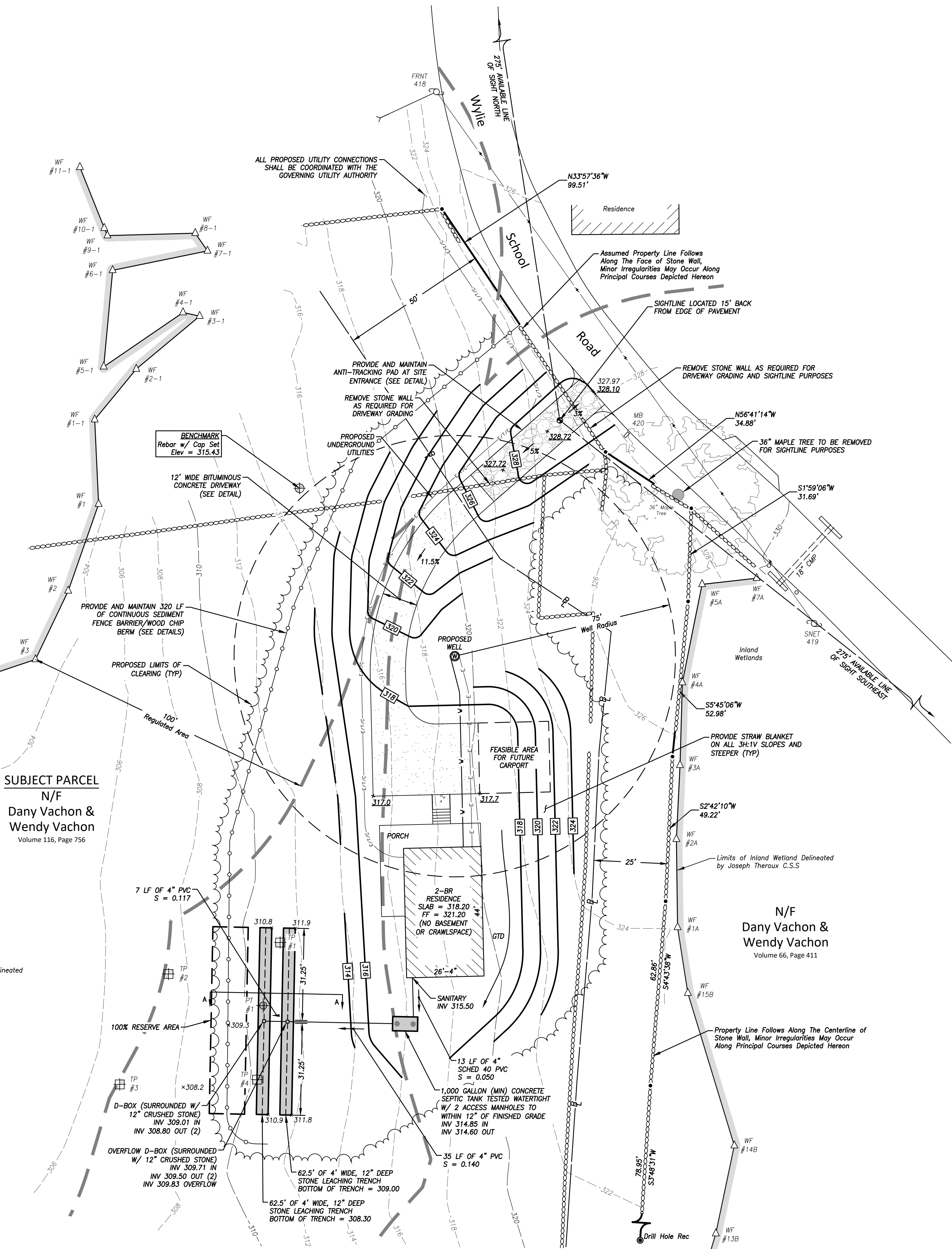
DESIGN PERCOLATION RATE = 10.0 MINUTES/INCH  
LEACHING AREA REQUIRED = 375 SF EFFECTIVE  
DESIGN: 1,000 GALLON SEPTIC TANK AND 2 ROWS OF 62.5' OF 12" HIGH, 4' WIDE LEACHING TRENCHES  
LEACHING AREA PROVIDED = 375 SF EFFECTIVE (2 X 62.5 LF X 3.0 SF/LF)  
100% RESERVE AREA PROVIDED (2 ROWS OF 62.5' OF 12" HIGH, 4' WIDE LEACHING TRENCHES)

MINIMUM LEACHING SYSTEM SPREAD (MLSS) CALCULATION

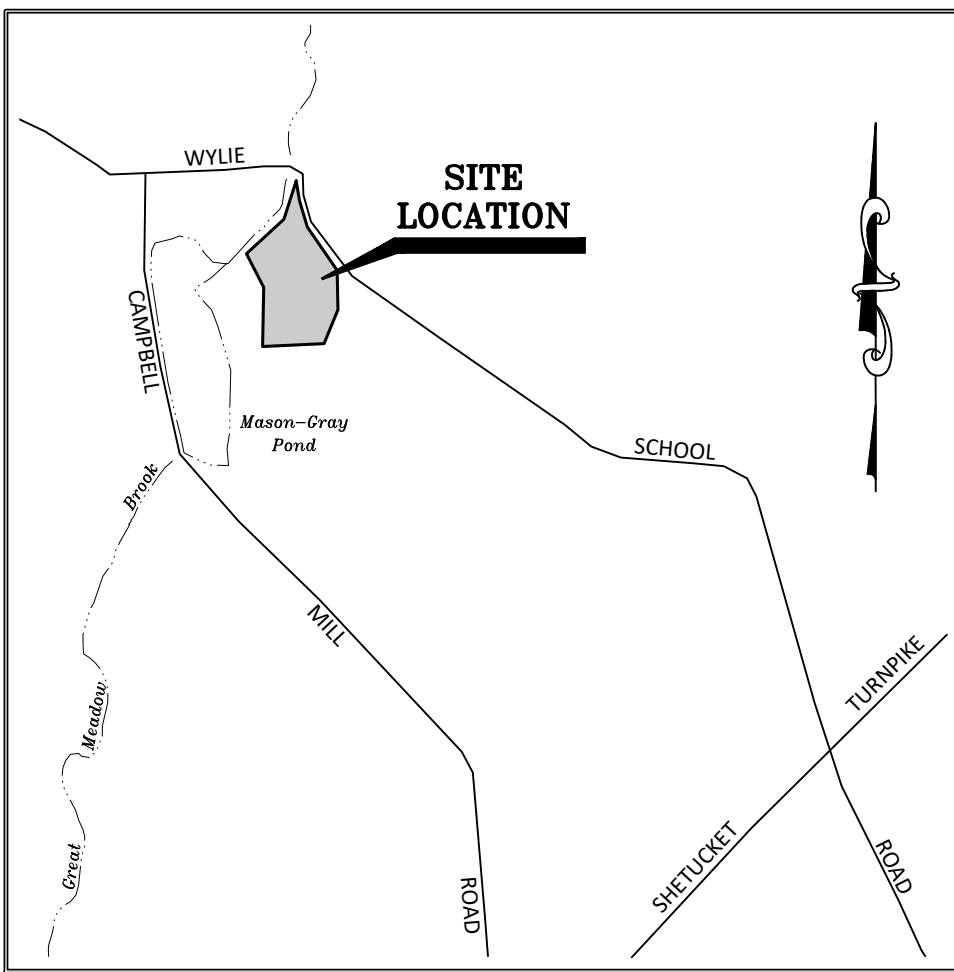
HYDRAULIC GRADIENT = 9.2%  
RECEIVING SOIL (PER TP#2) = 36"  
HYDRAULIC FACTOR = 24  
FLOW FACTOR FOR 2 BEDROOMS = 1.0  
PERCOLATION FACTOR FOR UP TO 10.0 MIN/INCH = 1.0  
MLSS REQUIRED = 24'  
MLSS PROVIDED = 62.5'

LEGEND & ABBREVIATIONS

|         |                                |
|---------|--------------------------------|
| ±       | MORE OR LESS                   |
| N/F     | NOW OR FORMERLY                |
| TYP     | TYPICAL                        |
| W/      | WITH                           |
| SF      | SQUARE FEET                    |
| LF      | LINEAR FEET                    |
| BR      | BEDROOM                        |
| ELEV    | ELEVATION                      |
| INV     | INVERT                         |
| S       | SLOPE                          |
| GrD     | GRADE TO DRAIN                 |
| CMP     | CORRUGATED METAL PIPE          |
| PVC     | POLYVINYL CHLORIDE             |
| SCHED   | SCHEDULE                       |
| REC     | RECOVERED                      |
| WF      | WETLAND FLAG                   |
| SNET    | SOUTHERN NEW ENGLAND TELEPHONE |
| FRNT    | FRONTIER COMMUNICATIONS        |
| MB      | MAILBOX                        |
| x 316.0 | EXISTING SPOT ELEVATION        |
| x 316.0 | PROPOSED SPOT ELEVATION        |
| — 316 — | EXISTING CONTOUR               |
| — 316 — | PROPOSED CONTOUR               |
| — B —   | BUILDING SETBACK LINE          |
| — T —   | PROPOSED TREE LINE             |
| — S —   | STONE WALL                     |
| — W —   | OVERHEAD WIRES                 |
| — E —   | UNDERGROUND ELEC, TELE, & COMM |
| — E —   | UNDERGROUND ELECTRIC           |
| — W —   | WATER LINE                     |
| •       | ANGLE POINT                    |
| •       | DRILL HOLE                     |
| •       | FENCE POST                     |
| •       | UTILITY POLE                   |
| •       | GUY WIRE                       |
| •       | BENCHMARK                      |
| •       | DEEP TEST PIT                  |
| •       | PERCOLATION TEST HOLE          |
| •       | WETLAND FLAG                   |
| •       | WELL                           |



I HAVE CONDUCTED AN ON-SITE SOIL INVESTIGATION OF THE PARCEL OF LAND DEPICTED HEREON. THE WETLAND BOUNDARIES AS PORTRAYED ARE AN ACCURATE REPRESENTATION OF THE DELINEATION PERFORMED IN THE FIELD.



LOCATION MAP  
SCALE: 1"=1000'

SURVEY NOTES

1. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300B-1 THROUGH 20-300B-20 AND THE "STANDARDS AND SUGGESTED METHODS AND PROCEDURES FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED FOR USE BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 29, 2019. IT IS AN IMPROVEMENT LOCATION AND TOPOGRAPHIC SURVEY BASED ON FIRST SURVEY AND CONFORMS TO HORIZONTAL CLASS A-2 AND TOPOGRAPHIC CLASS T-2 ACCURACY STANDARDS. IT IS INTENDED TO BE USED FOR MUNICIPAL PERMITTING.
2. NORTH ORIENTATION DEPICTED HEREON IS APPROXIMATE NORTH AMERICAN DATUM 1983 (NAD83) BASED UPON GLOBAL POSITIONING SYSTEM OBSERVATIONS, OBSERVED ON SEPTEMBER 28, 2020.
3. VERTICAL DATUM DEPICTED HEREON IS APPROXIMATE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88) BASED UPON GLOBAL POSITIONING SYSTEM OBSERVATIONS USING GEOIDE12B, OBSERVED ON SEPTEMBER 28, 2020.
4. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON THE LOCATION OF ABOVE GROUND STRUCTURES AND RECORD DRAWINGS PROVIDED BY OTHERS. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES. ALL SUBTERRANEAN FEATURES AND IMPROVEMENTS MAY NOT BE DEPICTED OR NOTED HEREON. THE LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. CONTACT "CALL BEFORE YOU DIG" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION OPERATIONS.
5. THE FIELD SURVEY WAS COMPLETED ON OCTOBER 13, 2020. LAND RECORD AND RELATED RESEARCH WAS COMPLETED ON NOVEMBER 3, 2020.
6. RECORD TITLE TO THE SUBJECT PROPERTY MAY BE REFERENCED TO A TRUSTEE'S DEED FROM HAROLD A. LANCER, TRUSTEE UNDER THE LANCER TRUST DATED NOVEMBER 16, 1996 TO DANY VACHON AND WENDY VACHON RECORDED AUGUST 27, 2020 IN THE TOWN OF VOLUNTOWN LAND RECORDS VOLUME 116, PAGE 756.

REFERENCE MAPS

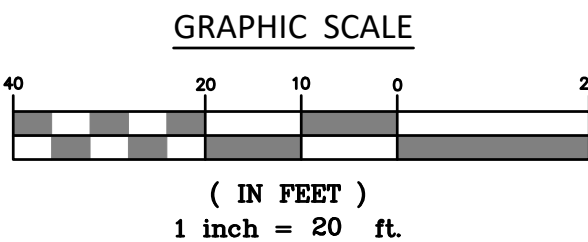
1. FINAL SUBDIVISION PLAN, PROPERTY OF EDMUND J. KUHAWSKI, WYLLIE SCHOOL ROAD, VOLUNTOWN, CONNECTICUT, SCALE: 1"=40', DATED: OCTOBER, 1979, LAST REVISED: MAY 2, 1980. PREPARED BY: GEORGE H. DIETER, LAND SURVEYOR.

WETLAND CONSERVATION NOTE

THIS PROPERTY HAS WETLAND, WATERCOURSE, SWAMP, MARSH OR BOG CHARACTERISTICS, WHICH HAVE BEEN DEFINED BY THIS DOCUMENT BEFORE THE INLAND WETLAND COMMISSION OF THE TOWN OF VOLUNTOWN, CONNECTICUT. PURCHASE OF THIS PROPERTY CONVEYS THE RESPONSIBILITY OF ABIDING BY ALL FEDERAL, STATE AND MUNICIPAL REGULATIONS FOR THE PRESERVATION AND PROTECTION OF THESE "REGULATED AREAS". SEE THE "WETLANDS REGULATIONS OF THE TOWN OF VOLUNTOWN" FOR PERMITTED AND REGULATED USES OF THESE AREAS. ANY SUBSEQUENT CHANGES TO THESE PLANS WILL REQUIRE APPROVAL OF THE INLAND WETLAND COMMISSION OF THE TOWN OF VOLUNTOWN.

ZONING TABLE: RURAL DISTRICT

| ITEM                      | REQUIRED     | PROVIDED    |
|---------------------------|--------------|-------------|
| MINIMUM LOT SIZE          | 80,000 SF    | 348,480± SF |
| MINIMUM STREET FRONTAGE   | 200 FT       | >200 FT     |
| MINIMUM FRONT YARD        | 50 FT        | 137.3± FT   |
| MINIMUM SIDE YARD         | 25 FT        | 59.4± FT    |
| MINIMUM REAR YARD         | 25 FT        | >>25 FT     |
| MAXIMUM BUILDING HEIGHT   | 35 FT        | <35 FT      |
| MAXIMUM BUILDING COVERAGE | 15%          | 0.5%        |
| WATER SUPPLY              | PRIVATE WELL |             |
| SANITARY                  | SEPTIC       |             |



"TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON."

